CLAIMS

Therefore, at least the following is claimed:

1. A method of managing deployed trunk circuit capacity, the method comprising the steps of:

monitoring trunk circuits to collect traffic usage data;

analyzing the traffic usage data by computing time-moving averages; and

forecasting trunk circuit capacity requirements based at least in part on the time-moving averages.

2. The method of claim 1, wherein the time-moving averages are based on a cluster that is a community of interest with a locality of communication access pattern.

3. The method of claim 2, wherein the cluster comprises at least one switch and trunk circuits to at least two other switches.

4. The method of claim 1, wherein the traffic usage data comprises a metric that is based upon multiples of a base unit of bandwidth.

5. The method of claim 1, wherein the traffic usage data comprises a metric that is based upon a count of a plurality of connections multiplied by a duration of each of the connections.

6. The method of claim 1, wherein the-time moving averages are computed at least weekly.

7. The method of claim 1, wherein the forecasting step computes a plurality of forecasts using a plurality of models.

8. The method of claim 1, wherein the forecasting step allows manual override of at least one model parameter.

9. The method of claim 8, wherein the forecasting step uses a graphical user interface (GUI) for entering the manual override of the at least one model parameter.

10. The method of claim 1, wherein the forecasting step displays forecast output through a graphical user interface (GUI).

11. A system that facilitates managing deployed trunk circuit capacity, the system comprising:

logic configured to monitor trunk circuits to collect traffic usage data;

logic configured to analyze the traffic usage data by computing time-moving averages; and

logic configured to forecast trunk circuit capacity requirements based at least in part on the time-moving averages.

12. The system of claim 11, wherein the time-moving averages are based on a cluster that is a community of interest with a locality of communication access pattern.

13. The system of claim 12, wherein the cluster comprises at least one switch and trunk circuits to at least two other switches.

14. The system of claim 11, wherein the traffic usage data comprises a metric that is based upon multiples of a base unit of bandwidth.

15. The system of claim 11, wherein the traffic usage data comprises a metric that is based upon a count of a plurality of connections multiplied by a duration of each of the connections.

16. The system of claim 11, wherein the-time moving averages are computed at least weekly.

17. The system of claim 11, wherein the logic configured to forecast computes a plurality of forecasts using a plurality of models.

18. The system of claim 11, wherein the logic configured to forecast allows manual override of at least one model parameter.

19. The system of claim 18, wherein the logic configured to forecast uses a graphical user interface (GUI) for entering the manual override of the at least one model parameter.

20. The system of claim 11, wherein the logic configured to forecast displays forecast output through a graphical user interface (GUI).